

a microphone;
a speaker;
a first display unit;
a computer adapted to store and to process data and adapted to be worn on a user's body;
a first communications channel connecting said computer and said first camera;
a second communications channel connecting said computer, said microphone and said speaker;
a third communications channel connecting said computer and said first display unit;
a fourth communications channel connecting said computer and a remote data processor, said remote data processor adapted to receive data from and transmit data to said computer; and
a fifth communications channel connecting said computer and said second camera.

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3. The apparatus of claim 2 further comprising a battery adapted to provide power to said computer.

4. The apparatus of claim 2 further comprising a battery adapted to provide power to said first display unit.

5. The apparatus of claim 2 further comprising a harness adapted to selectively carry at least one of said first camera, said second camera, said computer, said first display unit, and said battery.

6. The apparatus of claim 2 wherein said first imagery is video.

7. The apparatus of claim 2 wherein said first imagery is real time video.

8. The apparatus of claim 2 wherein said first imagery is a snapshot.

9. The apparatus of claim 2 wherein said second imagery is video.

10. The apparatus of claim 2 wherein said second imagery is real time video.

11. The apparatus of claim 2 wherein said second imagery is a snapshot.

12. The apparatus of claim 2 wherein said second camera has a narrower field of view than said first camera.

13. The apparatus of claim 2 wherein said microphone and said speaker comprise a headset.

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14. The apparatus of claim 2 wherein said first display unit is adapted to receive data input from said user and to transmit said data to said computer.

15. The apparatus of claim 2 wherein said computer includes a graphical user interface.

16. The apparatus of claim 2 wherein said fourth communications channel is wireless.

17. The apparatus of claim 2 wherein said fourth communications channel is adapted for audio communication.

18. The apparatus of claim 2 wherein said fourth communications channel is adapted for video communication.

19. The apparatus of claim 18 wherein said video communication comprises real-time video.

20. The apparatus of claim 18 wherein said video communication comprises a snapshot.

21. The apparatus of claim 2 wherein said fourth communications channel is adapted for data communication.

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22. The apparatus of claim 2 wherein said fourth communications channel allows collaboration between said first person and said second person.

23. The apparatus of claim 2 wherein said fourth communications channel allows real time collaboration between said first person and said second person.

24. The apparatus of claim 2 wherein said computer is mounted in a shock resistant housing.

25. The apparatus of claim 2 wherein said computer is mounted in a housing machined from a block of metal.

26. The apparatus of claim 25 wherein said housing includes a cooling tunnel and a cooling fan.

27. The apparatus of claim 2 wherein said harness includes at least one of a back support belt, an accessory pouch, and a cable conduit.

28. The apparatus of claim 2 further comprising a second display unit and a corresponding communications channel connecting said computer and said second display unit.

29. The apparatus of claim 28 wherein said second display unit is incorporated into a headset.

30. The apparatus of claim 28 wherein said second display unit is incorporated into protective eyewear.

31. An apparatus for enabling a collaborative work environment between a first person at a first location and a second person at a second location, comprising:

a first camera having a first field of view adapted to obtain first imagery relevant to an object;

a second camera having a second field of view for obtaining second imagery relevant to said object. wherein said first field of view is wider than said second field of view;

a headset comprising a microphone and a speaker;

a display unit;

a computer adapted to store and to process data and adapted to be worn on a user's body, said computer having a graphical user interface;

a first communications channel connecting said computer and said first camera;

a second communications channel connecting said computer and said headset;

a third communications channel connecting said computer and said display unit;

a fourth communications channel connecting said computer and said second location, said fourth communications channel being adapted for at least one of audio and

video communication, said fourth communications channel being further adapted for collaboration between said first person and said second person;

a fifth communications channel connecting said computer and said second camera; and

a harness adapted to carry at least one of said first camera, said second camera, said computer, and said display unit.

32. The apparatus of claim 31 further comprising a battery adapted to provide power to said computer.

33. The apparatus of claim 31 further comprising a battery adapted to provide power to said display unit.

34. The apparatus of claim 31 wherein said fourth communications channel is adapted for collaboration between said first person and said second person.

35. The apparatus of claim 31 wherein said fourth communications channel is adapted for real time collaboration between said first person and said second person.

36. A method for using a wearable computer to enable at least one of collaborative design and problem resolution between a first person at a first location and a second person at a second location, comprising the steps of:

locating said wearable computer proximate to an object;

obtaining first imagery relevant to said object;
storing said first imagery in said wearable computer;
obtaining second imagery relevant to said object;
storing said second imagery in said wearable computer; and
displaying on a first display unit at least one of said first imagery and said second imagery.

37. The method of claim 36 further comprising the step of annotating at least one of said first imagery and said second imagery on said first display unit.

38. The method of claim 36 wherein said second imagery has a narrower field of view than said first imagery.

39. The method of claim 36 further comprising the step of transmitting at least one of said first imagery and said second imagery to another computer at said second location.

40. The method of claim 39 further comprising the step of displaying at least one of said first imagery and said second imagery at said other location to said second individual.

41. The method of claim 36 further comprising the step of said first person collaborating with said second person.

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42. The method of claim 41 wherein said step of collaborating is accomplished through said wearable computer.

43. The method of claim 41 wherein the results of said collaboration can be stored for future reference.

44. The method of claim 36 further comprising the step of said first person collaborating in real time with said second person

45. The method of claim 44 wherein said step of collaborating is accomplished through said wearable computer.

46. The method of claim 44 wherein the results of said collaboration can be stored for future reference.

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47. The method of claim 36 further comprising the step of receiving from another location information concerning said object.

48. The method of claim 47 wherein said information includes technical information concerning said object.

49. The method of claim 47 wherein said information is displayed on said first display unit.

50. The method of claim 36 wherein said first display unit is interactive such that a user can annotate data displayed thereon.

51. The method of claim 36 further comprising the step of displaying data relevant to said object on a second display unit.

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cancel

52. The method of claim 36 further comprising the step of displaying data relevant to said object on a second display unit, wherein said second display unit is configured so that said user can view said object and said data on said second display unit simultaneously.

Please cancel claim 1 without prejudice.

REMARKS

New claims 2-52 have been added. Support for new claims 2-52 can be found, *e.g.*, in Applicant's specification, pages 3-4, lines 23-7, pages 4-6, lines 8-21, page 9, lines 5-7, page 13, lines 7-10, page 14, lines 19-21, page 16, lines 17-25, page 17, lines 3-4, page 18, lines 19-20, page 20, lines 5-21, page 21, lines 1-5 and lines 22-25, page 22, lines 14-17, page 23, lines 22-25, pages 26-27, lines 5-25, and in FIGS. 1-4.